



Project: Alaska Copper Works

Inspection Date: 8/29/19

Project No.: 19ACW1

Technician: David DuBois

System Performance:

Was system running during the inspection? ☒ Yes ☐ No

Flow Rates (gpm)	Influent	<u>n/a</u>	Effluent	<u>n/a</u>	The flows should be ~155 gpm
Bag Filter #1 Pressures (psi)	Influent	<u>20</u>	Effluent	<u>18</u>	The bag filters should be replaced if differential pressure > 8 psi
Bag Filter #2 Pressures (psi)	Influent	<u>20</u>	Effluent	<u>17</u>	
Carbon Filter Pressures (Lead)	Influent	<u>n/a</u>	Effluent	<u>n/a</u>	The carbon filters should be backflushed if differential pressure > 8 psi
Carbon Filter Pressures (Lag)	Influent	<u>n/a</u>	Effluent	<u>n/a</u>	

Were the bag filters replaced? ☐ Yes ☒ No

Was the carbon backflushed? ☐ Yes ☒ No

Maintenance and Inspection Checklist:

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No issues
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Good
Level Sensor Cleaning/Inspection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	50 Gal 10% Caustic 55 Gal 25% Caustic
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
pH Probe Inspection/Calibration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Verified



Water Sampling:

Were water samples taken? ☐ Yes ☒ No

Raw water: pH 6.20 Turbidity 20.8 NTU

Bag Filter Influent pH 7.38 Turbidity 6.21 NTU

Bag Filter Effluent pH 7.30 Turbidity 5.48 NTU

Carbon Filter Influent pH n/a Turbidity n/a NTU

Carbon Filter Effluent pH n/a Turbidity n/a NTU

Monthly Tasks:

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: _____

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☐ Yes ☒ No

Sludge Depth (inches):

Decant Tank: n/a

Treatment tank: n/a

Backflush tank: n/a

Main lift station: n/a

North lift station: n/a

South lift station: n/a

Additional Comments, Recommendations and System Upsets:

Not enough water to discharge, recirculated water to raise pH and collect filter pressures.

David DuBois

Technician

Project Lead Tech

Title

8/29/19

Date

Submit